



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,196	08/20/2008	Kum Chung Loh	FR 040034	5654

24737 7590 08/12/2009
PHILIPS INTELLECTUAL PROPERTY & STANDARDS
P.O. BOX 3001
BRIARCLIFF MANOR, NY 10510

EXAMINER

BLOUIN, MARK S

ART UNIT	PAPER NUMBER
----------	--------------

2627

MAIL DATE	DELIVERY MODE
-----------	---------------

08/12/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/599,196	Applicant(s) LOH, KUM CHUNG	
	Examiner MARK BLOUIN	Art Unit 2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>10/15/07</u> . | 6) <input type="checkbox"/> Other: ____. |

Detailed Action

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6 and 8-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Mukawa (US 5,862,120).

3. Regarding claims 1 and 12, Mukawa shows (Fig. 1-23) apparatus for centering an information medium (101) on a turntable, the apparatus comprising:
a fitting member (4) for receiving the information medium (101) via a substantially central aperture (102) thereof; one or more resiliently deformable members (12) located adjacent the inner rim of said substantially central aperture (102), when an information medium (101) is loaded on said turntable; and a movable locking member (19) cooperatively arranged relative to said one or more resiliently deformable members (12); said movable locking member (19) being arranged and configured to move, in use, between a first position in which it exerts little or no pressure on said one or more resiliently deformable members (12) and a second position in which a generally radial force is exerted thereby on said one or more resiliently deformable members (12) such that said one or more resiliently deformable members (12) exert a corresponding centering force on said inner rim of said substantially central aperture (102) of said information medium (101).

Art Unit: 2627

4. Regarding claim 2, Mukawa shows (Fig. 1-23) apparatus, wherein the fitting member (4) comprises a stationary portion, at least a portion of which is formed of a ferrous metal.

5. Regarding claim 3, Mukawa shows (Fig. 1-23) apparatus, wherein the movable locking member (19) has a sliding cam (22) formed thereon, or integrally therewith, which sliding cam (22) is cooperatively arranged relative to the one or more resiliently deformable members (12).

6. Regarding claim 4, Mukawa shows (Fig. 1-23) apparatus, wherein the movable locking member (19) arranged to move in a generally vertical direction relative to the plane of an information medium (101) when in use.

7. Regarding claim 5, Mukawa shows (Fig. 1-23) a turntable for a data storage drive, the turntable including information medium centering apparatus, and further comprising a motor having a spindle which is communicably coupled with said fitting member (4).

8. Regarding claim 6, Mukawa shows (Fig. 1-23) a turntable, comprising a disc setting surface (3) for receiving an information medium (101).

9. Regarding claim 8, Mukawa shows (Fig. 1-23) a turntable, wherein the one or more resiliently deformable members (12) extend upwardly from a lip portion located radially inwardly from the circumference of the disc setting surface.

10. Regarding claim 9, Mukawa shows (Fig. 1-23) a turntable, further comprising means (104) for pressing down on an information medium (101) when in use.

11. Regarding claim 10, Mukawa shows (Fig. 1-23) a turntable, wherein the clamping member (104) includes at least one magnet means (9) for attracting a corresponding ferrous portion of said movable locking member (19), thereby to cause movement thereof, in use.

Art Unit: 2627

12. Regarding claim 11, Mukawa shows (Fig. 1-23) a turntable, wherein said fitting member (4) includes magnetic means for attracting the clamping member (104) and therefore increasing the pressure exerted thereby on the information medium (101) when in use.

Claim Rejections - 35 USC § 103

13. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

14. Claim 7 rejected under 35 U.S.C. 103(a) as being unpatentable over Mukawa (US 5,862,120) in view of Koshino (USPub 2006/0184957).

15. Regarding claim 7, Mukawa shows (Fig. 1-23) all the features described, supra, but does not show a peripheral friction sheet.

Koshino shows (Fig. 1) a peripheral friction sheet (8).

It would be obvious to one of ordinary skill in the art to provide the turntable of Mukawa with the peripheral friction sheet of Koshino in order to prevent disc slippage.

Conclusion

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Blouin whose telephone number is 571-272-7583. The examiner can normally be reached on M-F from 6:00 to 3:30 pm.

Art Unit: 2627

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Joe Feild, can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Mark Blouin/

Primary Examiner of Art Unit 2627

Mark Blouin
Patent Examiner
Art Unit 2627
August 11, 2009